Notice of Allowability	Application No.	Applicant(s)
	10/697,592	KELLEY ET AL.
	Examiner	Art Unit	
	William M. Treat	2181	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *the telephone interview on 3/7/2006*.

2. ☒ The allowed claim(s) is/are *1-22 and 24*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None of the:

       1. ☐ Certified copies of the priority documents have been received.

       2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

       3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

       1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *20060307* .

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

**WILLIAM M. TREAT
PRIMARY EXAMINER**

Authorization for this examiner's amendment was given in a telephone interview with Christopher S. Chow on 3/7/2006.

1.   (Currently amended):   A method for providing transitions between operating modes of a device, wherein the operating modes comprise a privileged mode and a non-privileged mode, ~~and~~ the method comprising:

executing an application in the non-privileged mode;

generating an interrupt to request the services of a privileged function; and

transitioning to the privileged mode to execute the privileged function;[[,]]

wherein

<u>said step of transitioning does not create or schedule a new task,</u>

<u>said step of transitioning comprises switching to a privileged mode stack,</u> <u>and</u>

the privileged function is executed as part of the same thread of execution as the application.

2.   (Original):   The method of claim 1, wherein the interrupt is a software interrupt.

3.   (Original):   The method of claim 1, further comprising validating that the privileged function is a trusted function.

4.   (Original):   The method of claim 1, further comprising validating that the execution of the privileged function will not exceed access rights associated with the application.

5. (Original): The method of claim 1, further comprising transitioning to the non-privileged mode to execute the application when the execution of the privileged function is completed.

6. (Currently amended): A method for providing transitions between operating modes of a device, wherein the operating modes comprise a privileged mode and a non-privileged mode, and the method comprising:

executing an application in the non-privileged mode;

generating an interrupt to request the services of a privileged function; and

transitioning to the privileged mode to execute the privileged function, wherein said transitioning does not create or schedule a new task and comprises:

switching to a privileged mode stack; and

the privileged function is executed as part of the same thread of execution as the application.

7. (Original): The method of claim 1, wherein the device is a wireless device.

8. (Currently amended): An apparatus Apparatus for providing transitions between operating modes of a device, wherein the operating modes comprise a privileged mode and a non-privileged mode, the apparatus comprising:

a processing logic that operates to execute an application in the non-privileged mode;

a interrupt logic that operates to receive an interrupt that requests the services of a privileged function; and

a transition logic that operates to transition to the privileged mode to execute the privileged function;[[,]]

wherein

said transition to the privileged mode does not create or schedule a new task,

said transition to the privileged mode comprises switching to a privileged mode stack, and

the privileged function is executed as part of the same execution thread as the application.

9.   (Original):   The apparatus of claim 8, wherein the interrupt is a software interrupt.

10.   (Original):   The apparatus of claim 8, further comprising validation logic that operates to validate that the privileged function is a trusted function.

11.   (Original):   The apparatus of claim 8, further comprising validation logic that operates to validate that the execution of the privileged function will not exceed access rights associated with the application.

12.   (Original):   The apparatus of claim 8, wherein the device is a wireless device.

13.   (Currently amended):   An apparatus Apparatus for providing transitions between operating modes of a device, wherein the operating modes comprise a privileged mode and a non-privileged mode, the apparatus comprising:

a means for executing an application in the non-privileged mode;

a means for receiving an interrupt that requests the services of a privileged function; and

a means for transitioning to the privileged mode to execute the privileged function;[[,]]

wherein

said transition to the privileged mode comprises switching to a privileged mode stack,

said transition to the privileged mode does not create or schedule a new task, and

the privileged function is executed as part of the same execution thread as the application.

14.   (Original):   The apparatus of claim 13, wherein the interrupt is a software interrupt.

15.   (Original):   The apparatus of claim 13, further comprising means for validating that the privileged function is a trusted function.

16.   (Original):   The apparatus of claim 13, further comprising means for validating that the execution of the privileged function will not exceed access rights associated with the application.

17.   (Original):   The apparatus of claim 13, wherein the device is a wireless device.

18.   (Currently amended):   A computer-readable media tangibly storing a sequence of instructions, which when executed by a processor in a device, operate to

cause a computer to provide transitions between operating modes of the device, wherein the operating modes comprise a non privileged mode and a privileged mode, and the sequence of instruction comprising:

instructions for executing an application in the non-privileged mode;

instructions for generating an interrupt to request the services of a privileged function; and

instructions for transitioning to the privileged mode to execute the privileged function:[[,]]

wherein

said transition to the privileged mode comprises switching to a privileged mode stack,

said transition to the privileged mode does not create or schedule a new task, and

the privileged function is executed as part of the same thread of execution as the application.

19.   (Original):   The computer-readable media of claim 18, wherein the interrupt is a software interrupt.

20.   (Original):   The computer-readable media of claim 18, further comprising instructions for validating that the privileged function is a trusted function.

21.   (Original):   The computer-readable media of claim 18, further comprising instructions for validating that the execution of the privileged function will not exceed access rights associated with the application.
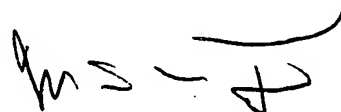
22.   (Original):   The computer-readable media of claim 18, further comprising instructions for transitioning to the non-privileged mode to execute the application when the execution of the privileged function is completed.

23.   (Canceled):

24.   (Previously presented):   The computer-readable media of claim 18, wherein the device is a wireless device.

Any inquiry concerning this communication should be directed to William M. Treat at telephone number (571) 272-4175. The examiner works at home on Wednesdays but may normally be reached on Wednesdays by leaving a voice message using his office phone number. The examiner also works a flexible schedule but may normally be reached in the afternoon and evening on three of the four remaining weekdays.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

WILLIAM M. TREAT
PRIMARY EXAMINER